



CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com



To,

Assistant Executive Engineer
Hebbal Sub Division,
BBMP.

14th July 2014

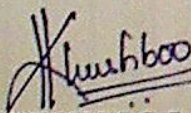
Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the materials the samples supplied by you, for the work of **'Construction of SSM drain from Anjanamurthy circle to New BEL road in ward no. 18.'**

Please find the enclosed Test Reports of the above.

**Thanking You,
For Civil Tech Labs**


(KHUSHBOO L.)
Deputy Quality Manager



AE-18
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Constructive

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TEST REPORT ON CEMENT

Name of the Client	AEE, Hebbal Sub Division, BBMP
Name of Work	Construction of SSM drain from Anjanamurthy circle to New BEL road in ward no. 18.
Agency Name	M/s. The Technical Manager (East), KRIDL

Tests on Cement	Test Date	Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112 1989	Remarks
			IS Code	Method	Value	Unit		
14/07/2014		Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	53	min	Not Less Than 30 Minutes	Satisfies Requirement
		Final Setting Time	IS-4031 (Part-5) 1988	VICAT	486	min	Not More Than 600 Minutes	Satisfies Requirement
		Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the Client

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K. Subbarao
 Lab Incharge
 Civil Tech Labs



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TEST REPORT ON FINE AGGREGATES Ref:IS:383/2386

Name of the Client	AEE, Hebbal Sub Division, BBMP
Name of Work	Construction of SSM drain from Anjanamurthy circle to New BEL road in ward no. 18.
Agency Name	M/s. The Technical Manager (East), KRIDL

Sample	Date of Testing	Specific Gravity As Per IS: 3720 Part 3, 1970	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970				Grading Zone
					ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
Fine Aggregates	14/07/2014	2.59	10	100	100	100	100	100	II
			4.75	97	90-100	90-100	90-100	95-100	
			2.36	87	60-95	75-100	85-100	95-100	
			1.18	73	30-70	55-90	75-100	90-100	
			0.6	45	15-34	35-59	60-79	80-100	
			0.3	23	5-20	8-30	12-40	15-50	
			0.15	8	0-10	0-10	0-10	0-15	

Note:

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Kushboo
 Lab Incharge
 Civil Tech Labs



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TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name of the Client	AEE, Hebbal Sub Division, BBMP
Name of Work	Construction of SSM drain from Anjanamurthy circle to New BEL road in ward no. 18.
Agency Name	M/s. The Technical Manager (East), KRIDL

Sample	Date of Testing	Specific Gravity	Absorption In %	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
40mm Down Graded	14/07/2014	2.68	0.28	80	100	100	Satisfies The Requirements
				40	98	95-100	
				20	54	30-70	
				10	22	10-35	
				4.75	4	0-5	

Note:

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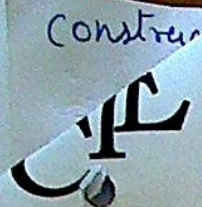
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K. Subbarao
 Lab Incharge
 Civil Tech Labs



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A. Srinivas



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T-2654

To,

Assistant Executive Engineer
Hebbal Sub Division,
BBMP.

16th August 2014

Dear Sir,

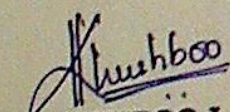
Sub: Construction of SSM drain from Anjanamurthy circle to New BEL road in ward no. 18.
Testing of cubes - Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

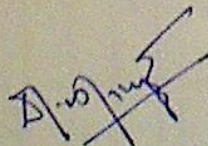
Thanking you,

For Civil Tech Labs


(KHUSHBOO L.)
Deputy Quality Manager



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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Hebbal Sub Division, BBMP
Project	Construction of SSM drain from Anjanamurthy circle to New BEL road in ward no. 18.
Agency	M/s. The Technical Manager (East), KRIDL
Grade of Concrete	M-15
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

SLNo	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC-work (Drain)	19/07/2014	16/08/2014	28	8.15	352	15.64	15.88
2					8.16	358	15.91	
3					8.19	362	16.09	

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Krushboo
Lab Incharge
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